AIRWORTHINESS DIRECTIVE

This Airworthiness Directive (AD) is issued pursuant to Canadian Aviation Regulation (CAR) 521.427. No person shall conduct a take-off or permit a take-off to be conducted in an aircraft that is in their legal custody and control, unless the requirements of CAR 605.84 pertaining to ADs are met. Standard 625 - Aircraft Equipment and Maintenance Standards Appendix H provides information concerning alternative means of compliance (AMOC) with ADs.

Number: CF-2020-49R1
Effective Date: 3 June 2021
ATA: 27
Type Certificate: A-177

Subject: Flight Controls – Inboard-Flap Susceptibility to Corrosion


Applicability: Bombardier Inc. model BD-700-1A10 and BD-700-1A11 aeroplanes, serial numbers 9001 through 9879, 9998 and 60001 through 60033.

Compliance: Within 30 days from the effective date of this AD, unless already accomplished.

Background:
There have been multiple discoveries of internal corrosion on the inboard flaps prior to regularly recommended/mandatory scheduled maintenance checks. Should such corrosion go undetected/unaddressed, possible weakening of the structure and eventual detachment of the flap could occur. As this corrosion is highly dependent on operational environments and utilization, the aeroplane Maintenance Schedule has been revised to add a more frequent and specific inspection of this area to allow for sufficient opportunity to detect and address any early signs of corrosion on the affected structure.

AD CF-2020-49 mandated the incorporation of new tasks in the aeroplane Maintenance Schedule. This AD revision, CF-2020-49R1, clarifies that the mandated task (Chapter 5 Task Number 57-51-00-201) resides in Part 3 of the Time Limits/Maintenance Checks (TLMC) Manual.

Corrective Actions:
Amend the Transport Canada approved aeroplane Maintenance Schedule by incorporating TLMC Part 3, Chapter 5 Task Number 57-51-00-201, Special Detailed Inspection of the Inboard-Flap Internal Ribs, in accordance with the applicable TLMC manual revision identified in Table 1 below, or later revisions approved by Transport Canada.
Table 1

<table>
<thead>
<tr>
<th>Aeroplane Model</th>
<th>TLMC Manual</th>
<th>Revision</th>
<th>Date of Issue</th>
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<tbody>
<tr>
<td>BD-700-1A10</td>
<td>GL 700 TLMC</td>
<td>Revision 31</td>
<td>17 August 2020</td>
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<td>BD-700-1A10</td>
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<td>Revision 18</td>
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<td>GL 5000 TLMC</td>
<td>Revision 22</td>
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<td>GL 5500 TLMC</td>
<td>Revision 1</td>
<td>17 August 2020</td>
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Authorization:

For the Minister of Transport,

ORIGINAL SIGNED BY

Daniel Gosselin
Acting Chief, Continuing Airworthiness
Issued on 20 May 2021

Contact:

Barry Devereux, Continuing Airworthiness, Ottawa, telephone 888-663-3639, facsimile 613-996-9178 or e-mail TC.AirworthinessDirectives-Consignesdenavigabilite.TC@tc.gc.ca or any Transport Canada Centre.